

NEW YORK

Science and Engineering Profile

| | New York | U.S. | Rank | | New York | U.S. | Rank |
|-------------------------------------|----------|-------------|------|--|----------|-----------|------|
| Doctoral scientists, 1993 | 36,882 | 430,332 | 2 | Total R&D performance, 1993 (millions) | \$10,975 | \$161,427 | 2 |
| Doctoral engineers, 1993 | 5,410 | 81,293 | 3 | Industry R&D, 1993 (millions) | \$8,820 | \$117,622 | 3 |
| S&E doctorates awarded, 1995 | 2,471 | 26,482 | 2 | Academic R&D, 1994 (millions) | \$1,660 | \$20,573 | 2 |
| of which, in life sciences | 23% | 24% | | of which, in life sciences | 64% | 55% | |
| in social sciences | 18% | 15% | | in engineering | 13% | 16% | |
| in engineering | 17% | 23% | | in physical sciences | 9% | 10% | |
| S&E postdoctorates, 1994 | | | | Higher education current-fund | | | |
| in doctorate-granting institutions | 2,878 | 36,143 | 3 | expenditures, 1993 (millions) | \$15,634 | \$163,994 | 2 |
| S&E graduate students, 1994 | | | | Number of SBIR awards, 1990-94 | 858 | 18,023 | 5 |
| in doctorate-granting institutions | 40,781 | 438,694 | 2 | Patents issued to state residents, 1995 | 4,684 | 55,717 | 2 |
| Population, 1995 (000s) | 18,136 | 262,755 | 3 | Gross state product, 1992 (billions) | \$497.6 | \$5,994.1 | 2 |
| Civilian labor force, 1995 (000s) | 8,493 | 132,281 | 3 | of which, agriculture | 1% | 2% | |
| Personal income per capita, 1995 | \$26,782 | \$22,788 | 5 | manufacturing, mining, construction | 17% | 23% | |
| Federal spending | | | | transportation, communication, utilities | 8% | 9% | |
| Total expenditures, 1995 (millions) | \$93,781 | \$1,326,294 | 2 | wholesale and retail trade | 14% | 16% | |
| R&D obligations, 1994 (millions) | \$2,699 | \$65,654 | 8 | finance, insurance, real estate | 26% | 18% | |
| | | | | services | 23% | 20% | |
| | | | | government | 11% | 12% | |

Rankings and totals are based on data for the 50 States and D.C.

Data on S&E postdoctorates and S&E graduate students include health fields.

Federal Obligations for Research and Development in New York by Agency and Performer: Fiscal Year 1994

[Thousands of dollars]

| | Total | Federal intramural | All FFRDCs | Industrial firms | Universities & colleges | Other nonprofits | State & local government | State rank |
|---|-----------|-----------------------|---------------|---------------------|----------------------------|---------------------|-----------------------------|---------------|
| Total, all agencies | 2,698,717 | 151,024 | 197,809 | 1,027,741 | 1,046,333 | 195,939 | 79,871 | 8 |
| Department of Agriculture | 32,753 | 15,190 | 0 | 374 | 16,249 | 940 | 0 | 16 |
| Department of Commerce | 7,220 | 696 | 145 | 3,724 | 2,550 | 2 | 103 | 17 |
| Department of Defense | 889,190 | 107,955 | 6,290 | 664,693 | 103,346 | 6,906 | 0 | 10 |
| Department of Energy | 569,090 | 18,139 | 184,510 | 312,758 | 52,190 | 1,493 | 0 | 3 |
| Dept. of Health & Human Services | 934,914 | 220 | 3,872 | 15,878 | 665,974 | 174,501 | 74,469 | 3 |
| Department of the Interior | 6,396 | 5,050 | 0 | 768 | 561 | 0 | 17 | 26 |
| Department of Transportation | 12,594 | 0 | 0 | 7,844 | 233 | 33 | 4,484 | 12 |
| Environmental Protection Agency | 5,879 | 0 | 0 | 3,080 | 2,165 | 0 | 634 | 16 |
| Nat'l Aeronautics & Space Admin. | 44,276 | 3,774 | 1,810 | 14,989 | 22,451 | 1,187 | 65 | 15 |
| National Science Foundation | 196,405 | 0 | 1,182 | 3,633 | 180,614 | 10,877 | 99 | 2 |
| State rank | 8 | 17 | 7 | 9 | 2 | 4 | 1 | |

Federal R&D obligations are as reported by funding agencies.

FFRDC = federally funded research and development center

SBIR = small business innovation research

na = not applicable

Prepared by the National Science Foundation/Division of Science Resources Studies. Data compiled from numerous sources.